Message

From: Liljegren, Jennifer [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=C7098A838CD34F75B8878571FE95D939-JLILJEGR]
Sent: 12/1/2017 9:14:38 PM
To: Alexander Cohan [alexanderjcohan@gmail.com]
Subject: RE: CAMx materials
Attachments: WI 2015 Ozone NAAQS Designations TSD 042017.pdf

Hi Alex,

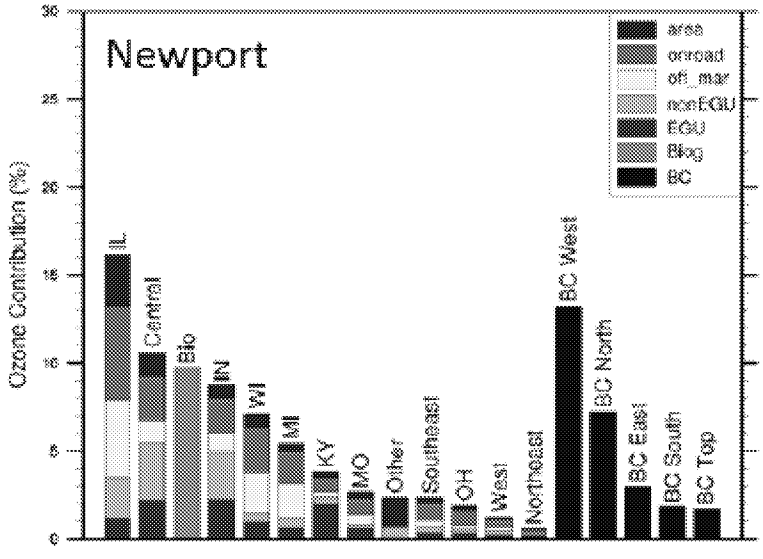
Yes, the Wellington was delicious!

That figure was from the supplemental 2015 ozone designation recommendation from WDNR (attached). It's the percent ozone contribution to the Door County Wisconsin (Newport) monitor.

Does it represent the 2011 ozone season? Or is it projected to 2017 with CSAPR? Are the contributions based on an average of all days or were they calculated only for high days (Is this what you meant about the OAQPS calculation? Is it a similar calculation to what EPA did for the CSAPR transport modeling? You mentioned the calculation is done following OAQPS's recommendation, but I wasn't sure what you meant by that. I hadn't had time to look in detail at all the items I downloaded from you. I will look again in more detail, but on first glance, it was not clear to me which file this would be.)

Also, since it's WI O3 and not OH PM2.5 is it still ERTAC, LADCO moves and APCA camx 6.20 with cb6r3?

Thanks!
Jenny



From: Alexander Cohan [mailto:alexanderjcohan@gmail.com]
Sent: Sunday, November 26, 2017 8:38 PM
To: Liljegren, Jennifer <Liljegren.Jennifer@epa.gov>
Subject: Re: CAMx materials

Hi Jenny,

Did you enjoy the Wellington? I miss the native foods thanksgiving buffet.

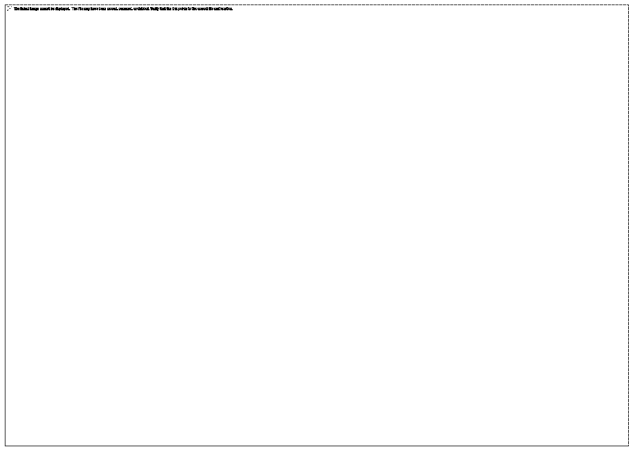
The bar charts show the percent contribution of the source regions and their emission sectors at a particular monitor. The calculation is done following OAQPS's recommendation which I believe I sent to you.

I can't really tell from the figure what version of CAMx is being used and whether it used IPM or ERTAC, EPA moves or LADCO moves. That information should be present elsewhere or in the file name. If that figure comes from the work I did for the OH pm2.5 sip then it should use ERTAC, LADCO moves and APCA camx 6.20 with cb6r3 consistent with the rest of that modeling for that demonstration.

Hope that helps. Let me know if I can offer further clarification.

Alex

On Fri, Nov 17, 2017 at 4:15 PM Liljegren, Jennifer <Liljegren.Jennifer@epa.gov> wrote:

> Hi Alex,
>
> Thanks for sharing these materials. I hope your move to Austin is going well.
>
> I had a question about the source apportionment modeling that you did. What do the bar charts (example below) represent?
>
> For instance, does this represent a CAMx version 6.20 run with CB6r3 and with OSAT or APCA? and is it for the entire 2011 ozone season based on EPA's emissions modeling platform with modified EGU emissions to use ERTAC rather than IPM, and LADCO-contracted ENVIRONs MOVES results for on-road emissions, and the CSAPR update? Just wanted to know the details of what is represented. Thanks!
>
> 
>
> Also, I ordered the Wellington from Native Foods, thanks for the recommendation, I'm excited to try it!
>
> Happy Thanksgiving,

Jenny

From: Alexander Cohan [mailto:cohan@ladco.org]
Sent: Friday, November 10, 2017 4:23 PM
To: Liljegren, Jennifer <Liljegren.Jennifer@epa.gov>
Subject: Re: CAMx materials

Here are the other materials we discussed:

tool to create source apportionment map (this archive is large because it contains an example CAMx area emissions file which the tool reads to get grid dimensions):

https://drive.google.com/file/d/1sy9R7FTW22cMubPktxaryLLN-OncFcTL/view?usp=sharing

camx to mats processing script:

https://drive.google.com/file/d/1ER6A3t5g4T5riOMk736hPFPpaYZFb9UD/view?usp=sharing

Tool to extract 1st through 4th high MD8 values from CAMx output. Can be used for Ozone, NOx, and FORM:

https://drive.google.com/file/d/1bsTv38ealORm1WDZ3L1-NCDBGB8cP0i_/view?usp=sharing

Tool which takes the mats output of the fused surface and reorganizes the data for easier plotting in NCL. The mats fused surface outputs have filenames that end with 'Spatial Field -- interpolated monitor data, temporally adjusted; gradient-adjusted monitor data, 20XX.csv':

https://drive.google.com/file/d/13ybargSYxyTfWNIbYsFa8cjTDYlBsUXo/view?usp=sharing

MATS NCL plotting scripts and c-shell jobs to run the ncl scripts:

https://drive.google.com/file/d/1UdHfv7R-tp5UgXbeIlSVglqPsM1I6Md0/view?usp=sharing

Stop using putty, use this xterm client, MobaXterm which has a free home edition:

http://mobaxterm.mobatek.net

Good luck with all this stuff. Feel free to reach out to me for any reason at all alexanderjcohan@gmail.com. Hit me up if you find yourself in Austin.

Alex

On Thu, Nov 9, 2017 7:24 AM, Liljegren, Jennifer Liljegren.Jennifer@epa.gov wrote:

Thanks, Alex! Great to speak with you too.

From: Alexander Cohan [mailto:cohan@ladco.org]
Sent: Wednesday, November 08, 2017 3:29 PM
To: Liljegren, Jennifer <Liljegren.Jennifer@epa.gov>
Subject:

Hi Jenny,

Great to speak with you today. You can download the ENVIRON CAMx training material below.

https://drive.google.com/file/d/1nPaKbgPT3x566wdbkWA1i_YS1NT3pkmn/view?usp=sharing

https://drive.google.com/file/d/1Pyc1aM4NOnHQET8MtA8fGANbi7gmK4z_/view?usp=sharing

I will get the other materials we discussed to you by the end of the week.

Best,

Alex

Alexander Cohan, Ph.D.
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